

HISTORIC AMERICAN ENGINEERING RECORD

Index to Photographs

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Gianella Bridge (Gianelli Bridge)
California State Highway 32
at Sacramento River
Hamilton vicinity
Glenn (and Butte Counties)
California

HAER No. CA-44

NOTE: Exterior photographs by Pete Asano, photographer, August 27, 1985
Interior photographs by Don Tateishi, photographer, September 12, 1984
John Snyder, Field Director

EXTERIOR PHOTO

- CA-44-1 VIEW TO NORTHWEST. DOWNSTREAM SIDE OF BRIDGE FROM CENTER OF RIVER. (Photographed from boat)
- CA-44-2 VIEW TO NORTH-NORTHWEST. DOWNSTREAM SIDE OF BRIDGE FROM WEST OF CENTER OF RIVER. (Photographed from boat)
- CA-44-3 VIEW TO WEST-NORTHWEST. DOWNSTREAM SIDE OF BRIDGE FROM EAST OF CENTER OF RIVER. (Photographed from boat)
- CA-44-4 VIEW TO NORTHEAST. OBLIQUE VIEW OF DOWNSTREAM SIDE OF BRIDGE FROM WEST BANK.
- CA-44-5 VIEW TO SOUTHEAST. OBLIQUE VIEW OF UPSTREAM SIDE OF BRIDGE. (Photographed from boat)
- CA-44-6 VIEW TO SOUTH. OBLIQUE VIEW OF UPSTREAM SIDE OF BRIDGE. (Photographed from boat)
- CA-44-7 VIEW TO NORTHEAST. VIEW ALONG CENTERLINE TOWARD WEST PORTAL, GLENN COUNTY SIDE OF BRIDGE.
- CA-44-8 VIEW TO SOUTHWEST. OBLIQUE VIEW OF EAST PORTAL, BUTTE COUNTY SIDE OF BRIDGE
- CA-44-9 VIEW TO NORTHEAST. DETAIL, OBLIQUE VIEW OF WEST APPROACH SPAN. NOTE PIN CONNECTIONS, UNDERSIDE DETAILS, SHADOW PATTERN CAST BY STEEL OPEN GRATE DECK.
- CA-44-10 VIEW TO NORTH. DETAIL, CENTER PIER AND CENTRAL PORTION OF SWING SPAN, INCLUDING CONTROL CABIN. (Photographed from boat)
- CA-44-11 VIEW TO NORTHEAST. DETAIL, CENTER PIER AND TURNABLE ASSEMBLY. (Photographed from boat)

- CA-44-12 VIEW TO NORTHEAST. DETAIL, TURNTABLE ASSEMBLY, CONTROL CABIN, TRUSS CONNECTIONS OF CENTER PORTION OF SWING SPAN. (Photographed from boat)
- CA-44-13 VIEW TO WEST. DETAIL, WEST PIER, WEST APPROACH SPAN, LOCKING GEAR AT WEST END OF SWING SPAN. (Photographed from boat)
- CA-44-14 VIEW TO EAST. DETAIL, CENTER PIER, TURNTABLE ASSEMBLY, CONTROL CABIN. (Photographed from boat) NOTE CUTWATER ON UPSTREAM SIDE OF CENTER PIER.
- CA-44-15 VIEW TO SOUTHEAST. DETAIL, EAST ABUTMENT AND FENDER. (Photographed from boat)
- CA-44-16 VIEW TO NORTHEAST. DETAIL, VIEW THROUGH TRUSS FROM DECK OF CONTROL CABIN.
- CA-44-17 VIEW TO SOUTHWEST. DETAIL, SHAFT AND GEAR ASSEMBLY ON EXTERIOR CONTROL CABIN DECK.
- CA-44-18 VERTICAL VIEW. DETAIL, VIEW FROM LANDING ON CONTROL CABIN LADDER, AT APPROXIMATELY BRIDGE DECK LEVEL, SHOWING PORTION OF GEAR TRAIN AT TURNTABLE.
- CA-44-19 VIEW TO NORTHWEST. DOLPHIN AS SEEN FROM CONTROL CABIN DECK.
- CA-44-20 VIEW TO SOUTHWEST. DOLPHIN. (Photographed from boat) NOTE CUTWATER ON UPSTREAM SIDE OF DOLPHIN, AND THAT DOLPHIN IS OCTAGONAL AS OPPOSED TO CIRCULAR DESIGN OF CENTER PIER.

INTERIOR PHOTOS

- CA-44-21 VIEW TO SOUTH. INTERIOR OF CONTROL CABIN FROM DOORWAY. INVERTED "TEE"-SHAPED OBJECT IN LEFT CORNER AND LARGE WHITE WOODEN BEAM BOLTED TOGETHER TO FORM CAPSTAN UTILIZED FOR HAND OPERATION OF THE SWING SPAN.
- CA-44-22 VIEW TO SOUTHWEST. DETAIL, GEAR TRAIN SYSTEM, CONTROL CABIN INTERIOR.
- CA-44-23 VIEW TO WEST. DETAIL, OPERATING SYSTEM, CONTROL CABIN INTERIOR.
- CA-44-24 VIEW TO SOUTHWEST. DETAIL, GEAR TRAIN SYSTEM, BRIDGE OPEN INDICATOR POINTER AT UPPER CENTER, CONTROL CABIN INTERIOR.
- CA-44-25 VIEW TO WEST. DETAIL, ONE OF TWO WESTINGHOUSE DRIVE MOTORS, CONTROL CABIN INTERIOR.

PHOTOCOPIES OF HISTORIC PHOTOGRAPHS

- CA-44-26 VIEW TO EAST. OBLIQUE VIEW OF UPSTREAM SIDE, FROM WEST BANK,
Photographer unknown, May 1939
- CA-44-27 VIEW TO NORTHEAST. VIEW ALONG CENTERLINE FROM WEST PORTAL,
Photographer unknown, May 1939
- CA-44-28 VIEW TO NORTHEAST. VIEW OVER TOP OF TRUSS FROM CONTROL CABIN
DECK.
Photographer unknown, August 1947
(Note that frame for electrical power cables is still in place,
though the bridge was converted to hand operation almost ten
years earlier.)
- CA-44-29 VIEW TO NORTHWEST. DETAIL VIEW OF TURNTABLE, CONTROL CABIN AND
CENTER PORTION OF SWING SPAN, DOWNSTREAM SIDE
Photographer unknown, August 1947
- CA-44-30 VIEW TO WEST. DETAIL VIEW OF ORIGINAL LATTICE RAILING, LADDER
TO CONTROL CABIN, DRIVE SHAFT FOR SWING SPAN AT RIGHT, NEXT TO
LACED VERTICAL COMPRESSION MEMBER
Photographer unknown, November 17, 1952
- CA-44-31 VIEW TO SOUTHWEST. VIEW ALONG CENTERLINE FROM EAST PORTAL
Photographer unknown, ca. 1952
- CA-44-32 VIEW TO NORTHEAST. OBLIQUE VIEW OF DOWNSTREAM SIDE FROM WEST
BANK
Photographer unknown, January 12, 1955
- CA-44-33 VIEW TO SOUTHEAST. AERIAL VIEW OF AREA DURING FLOOD STAGE.
GIANELLA BRIDGE AT UPPER RIGHT
Photographer unknown, January 24, 1970
- CA-44-34 VIEW TO SOUTHWEST. AERIAL VIEW OF AREA DURING FLOOD STAGE,
LOOKING ALONG CENTERLINE OF GIANELLA BRIDGE, WITH HAMILTON CITY,
GLENN COUNTY, IN THE BACKGROUND
Photographer unknown, January 24, 1970

PHOTOCOPIES OF ORIGINAL PLANS

- CA-44-35 PLAN AND ELEVATION OF GIANELLA BRIDGE
John B. Leonard, dated April 1908
- CA-44-36 DETAIL SHEET, CENTER PIER DESIGN AND PIER PLACEMENT PLAN
John B. Leonard, dated July 1909

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- CA-44-37 DETAIL SHEET, PIER AND ABUTMENT PLANS AND ELEVATIONS
 John B. Leonard, dated April 1908
- CA-44-38 DETAIL SHEET, PIER AND ABUTMENT PLANS AND ELEVATIONS WITH
 SECTIONS SHOWING PILING PLACEMENT
 John B. Leonard, dated April 1908
- CA-44-39 DETAIL SHEET, PLAN AND ELEVATION OF TURNABLE
 John B. Leonard, dated April 1908
- CA-44-40 DETAIL SHEET, DOLPHIN WITH SPECIFICATIONS
 John B. Leonard, dated July 1909
- CA-44-41 DETAIL SHEET, FENDERS AND DOLPHINS
 John B. Leonard (date illegible, but probably April 1908)
- CA-44-42 DETAIL SHEET, TRUSS STRAIN SHEET
 John B. Leonard (date unknown, but probably April 1908)